

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091824\
 Data File : VV037336.D
 Acq On : 18 Sep 2024 16:09
 Operator : SY/MD
 Sample : P3988-09
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 19 01:24:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR091024WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 19 01:19:52 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	266258	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	276447	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	134476	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	84395	5.403	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.000%
7) Chloroethane-d5	1.529	69	73366	4.505	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.000%
11) 1,1-Dichloroethene-d2	2.056	65	34988	4.337	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.800%
20) 2-Butanone-d5	3.799	46	224388	48.066	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.140%
24) Chloroform-d	4.246	84	178852	4.716	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.400%
26) 1,2-Dichloroethane-d4	4.937	65	91906	5.175	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.600%
32) Benzene-d6	4.956	84	345856	4.666	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.400%
36) 1,2-Dichloropropane-d6	5.985	67	114811	4.981	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.600%
41) Toluene-d8	7.239	98	297719	4.458	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.200%
43) trans-1,3-Dichloroprop...	7.558	79	32449	4.280	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.600%
46) 2-Hexanone-d5	8.024	63	188999	51.020	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.040%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	94628	5.037	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.800%
66) 1,2-Dichlorobenzene-d4	11.558	152	126118	5.275	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.281	62	337165	12.999	ug/L	99
8) Chloroethane	1.333	64	455510	29.206	ug/L #	51
12) 1,1-Dichloroethene	2.066	96	499937	26.794	ug/L #	78
13) Acetone	2.133	43	186003	57.223	ug/L	97
14) Carbon disulfide	2.240	76	51770	0.880	ug/L	99
15) Methyl Acetate	2.384	43	60866	8.176	ug/L	97
16) Methylene chloride	2.449	84	4763	0.222	ug/L	87
17) Methyl tert-butyl Ether	2.706	73	4561	0.103	ug/L #	76
18) trans-1,2-Dichloroethene	2.699	96	5229	0.266	ug/L	94
19) 1,1-Dichloroethane	3.104	63	679052	18.115	ug/L	99
21) 2-Butanone	3.879	43	402222	81.417	ug/L	98
22) cis-1,2-Dichloroethene	3.805	96	1753498	82.624	ug/L	99
27) 1,2-Dichloroethane	5.069	62	2698	0.126	ug/L #	81
34) Trichloroethene	5.825	95	503913	22.450	ug/L	98
35) Methylcyclohexane	5.985	83	26776	0.785	ug/L #	19
37) 1,2-Dichloropropane	6.101	63	11933	0.563	ug/L	98
42) Toluene	7.326	91	11337	0.131	ug/L	89
52) Ethylbenzene	9.082	91	8933	0.092	ug/L	85
53) m,p-Xylene	9.082	106	3802	0.107	ug/L	68

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Sep 19 01:19:52 2024
Response via : Initial Calibration

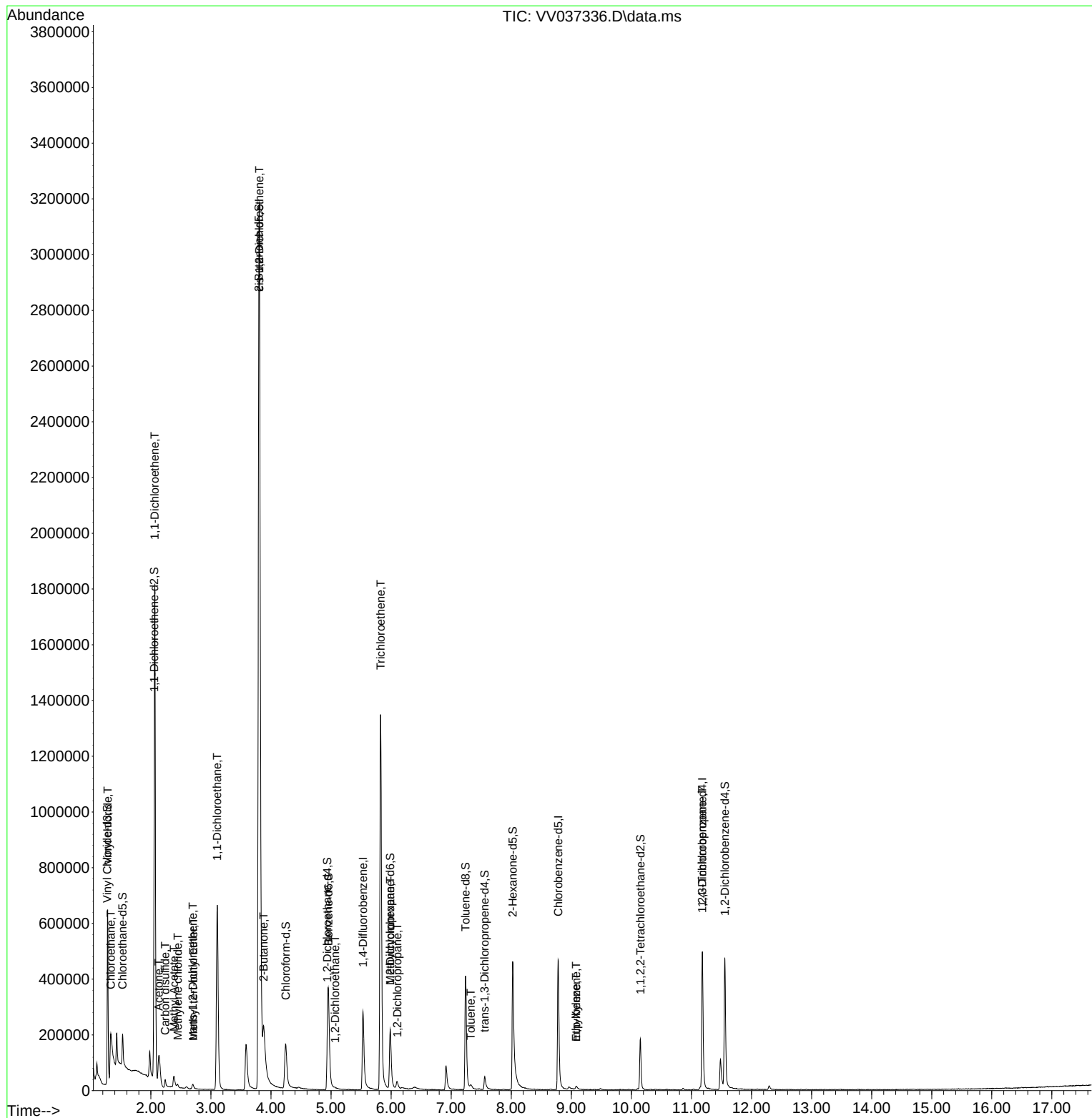
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.178	75	17026	1.391	ug/L #	65

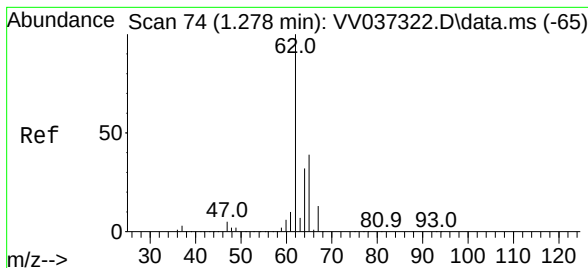
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 12.999 ug/L

RT: 1.281 min Scan# 74

Delta R.T. 0.003 min

Lab File: VV037336.D

Acq: 18 Sep 2024 16:09

Instrument :

MSVOA_V

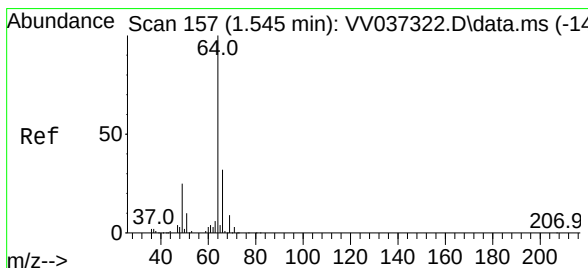
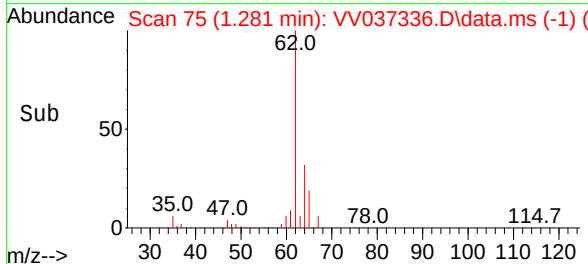
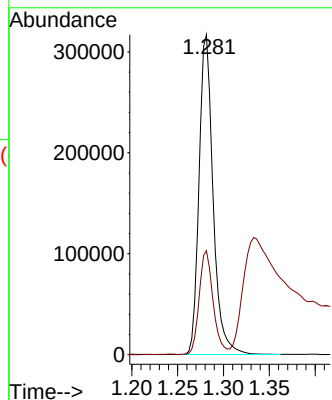
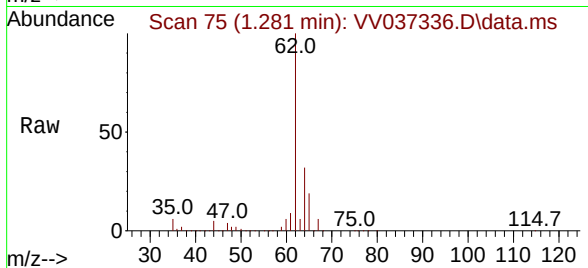
ClientSampleId :

Tgt Ion: 62 Resp: 337165

Ion Ratio Lower Upper

62 100

64 32.5 22.4 41.6



#8

Chloroethane

Concen: 29.206 ug/L

RT: 1.333 min Scan# 91

Delta R.T. -0.212 min

Lab File: VV037336.D

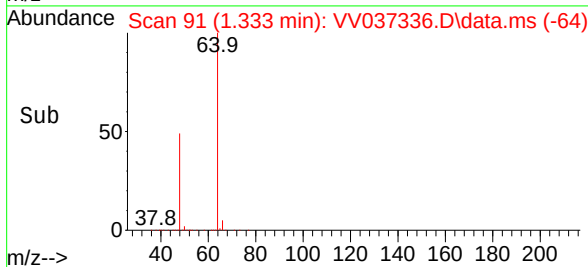
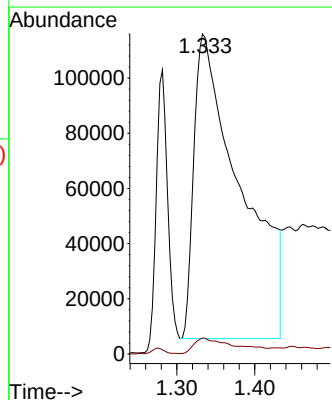
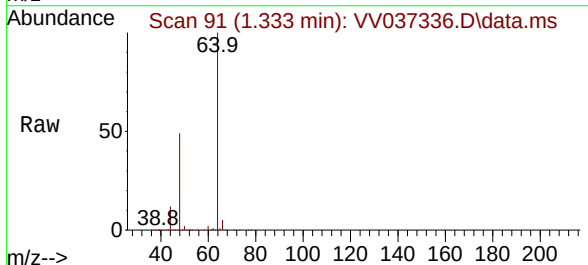
Acq: 18 Sep 2024 16:09

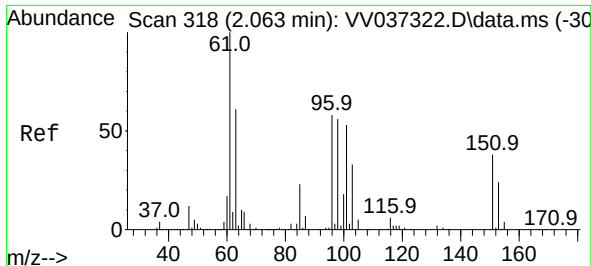
Tgt Ion: 64 Resp: 455510

Ion Ratio Lower Upper

64 100

66 5.0 22.7 42.1#





#12

1,1-Dichloroethene

Concen: 26.794 ug/L

RT: 2.066 min Scan# 318

Delta R.T. 0.003 min

Lab File: VV037336.D

Acq: 18 Sep 2024 16:09

Instrument :

MSVOA_V

ClientSampleId :

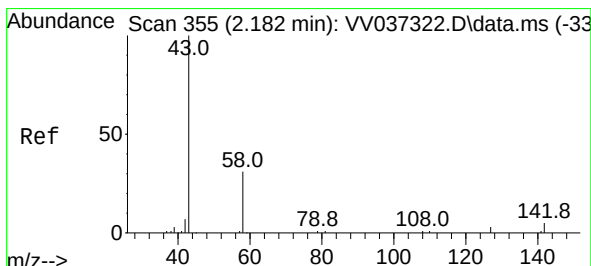
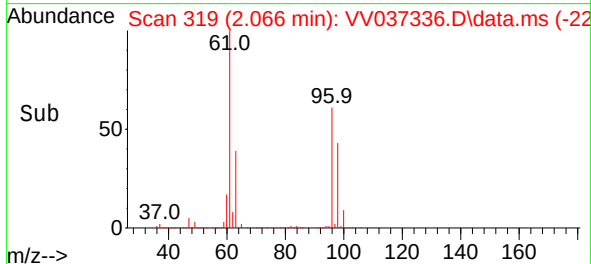
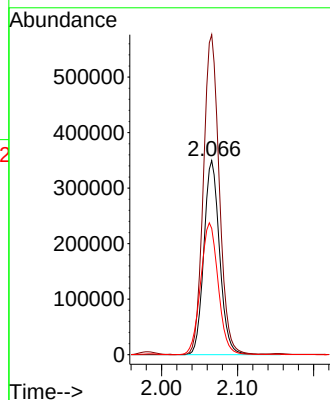
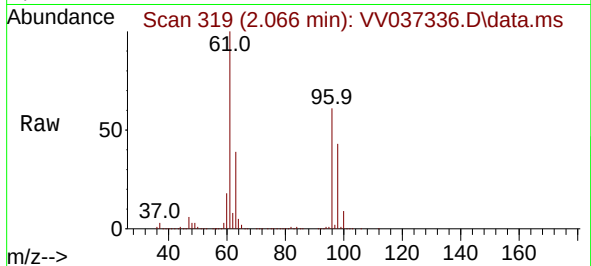
Tgt Ion: 96 Resp: 499937

Ion Ratio Lower Upper

96 100

61 164.9 119.9 222.7

63 65.0 81.4 151.2#



#13

Acetone

Concen: 57.223 ug/L

RT: 2.133 min Scan# 340

Delta R.T. -0.048 min

Lab File: VV037336.D

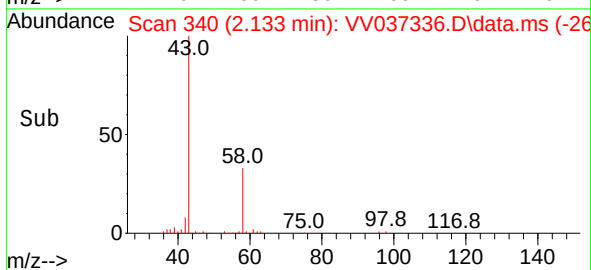
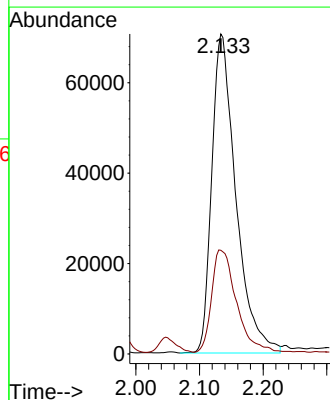
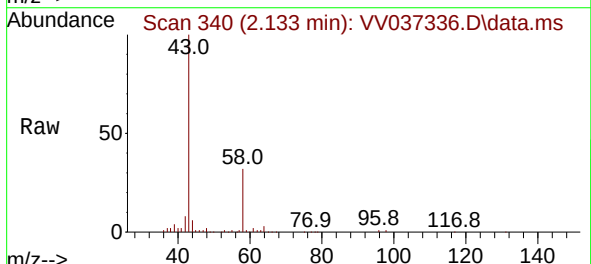
Acq: 18 Sep 2024 16:09

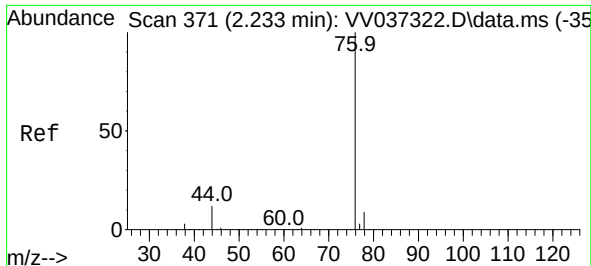
Tgt Ion: 43 Resp: 186003

Ion Ratio Lower Upper

43 100

58 33.0 0.0 69.2





#14

Carbon disulfide

Concen: 0.880 ug/L

RT: 2.240 min Scan# 31

Delta R.T. 0.006 min

Lab File: VV037336.D

Acq: 18 Sep 2024 16:09

Instrument :

MSVOA_V

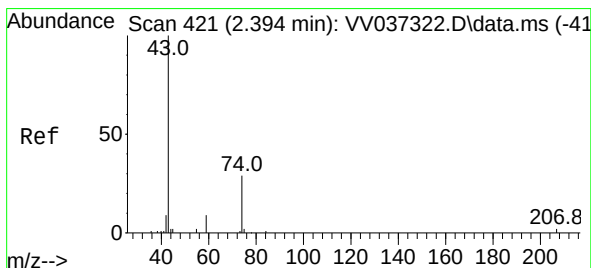
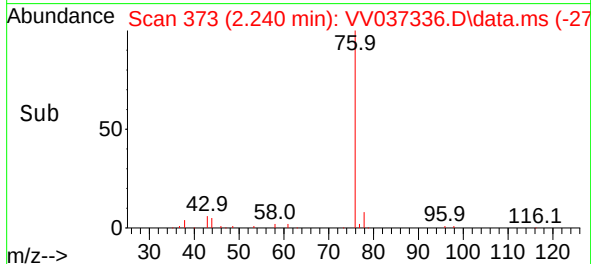
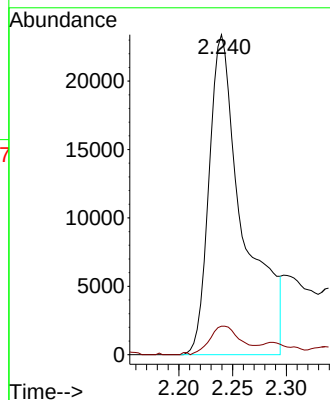
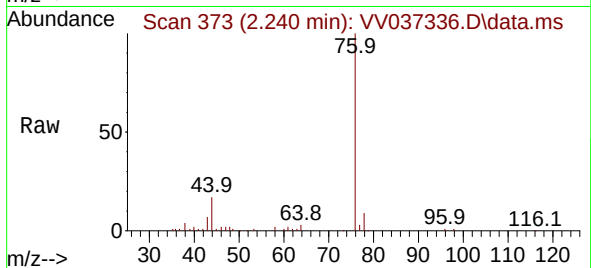
ClientSampleId :

Tgt Ion: 76 Resp: 51770

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9



#15

Methyl Acetate

Concen: 8.176 ug/L

RT: 2.384 min Scan# 418

Delta R.T. -0.010 min

Lab File: VV037336.D

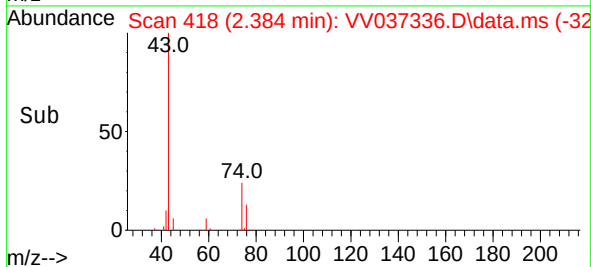
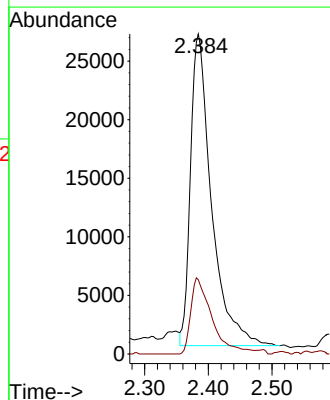
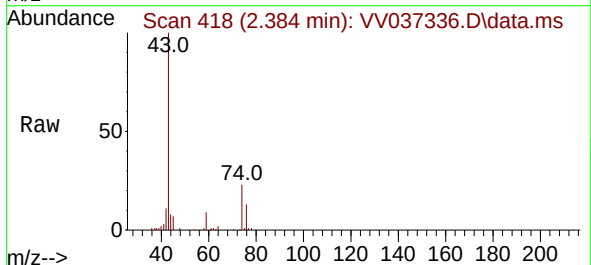
Acq: 18 Sep 2024 16:09

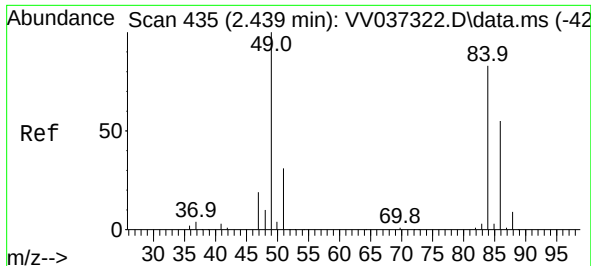
Tgt Ion: 43 Resp: 60866

Ion Ratio Lower Upper

43 100

74 24.8 21.0 31.4

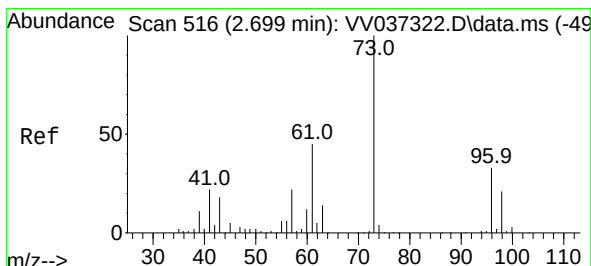
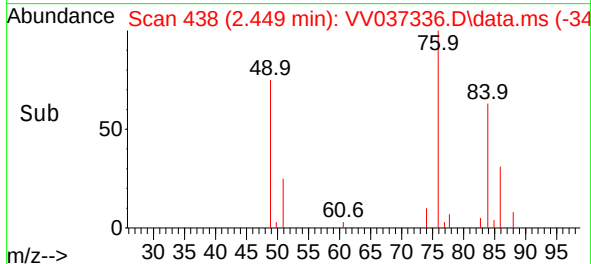
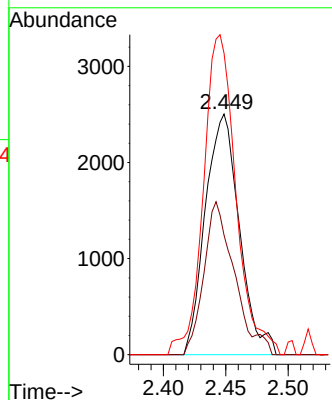
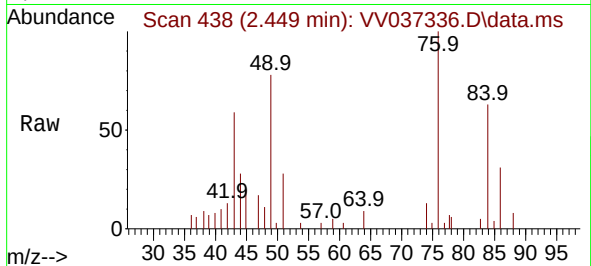




#16
Methylene chloride
Concen: 0.222 ug/L
RT: 2.449 min Scan# 41
Delta R.T. 0.010 min
Lab File: VV037336.D
Acq: 18 Sep 2024 16:09

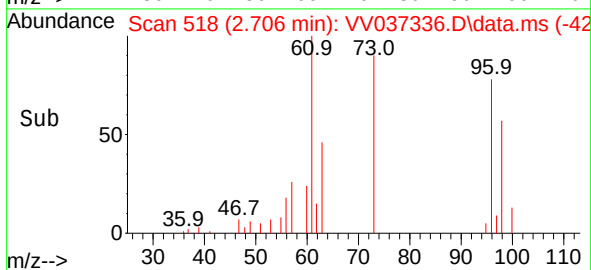
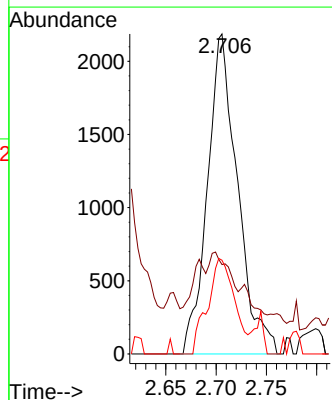
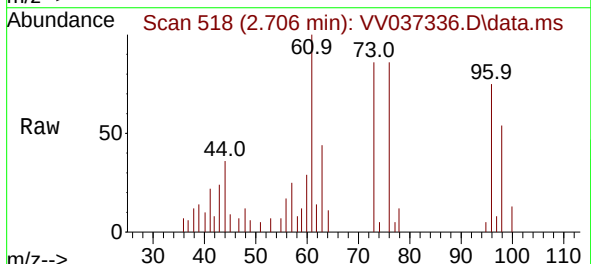
Instrument :
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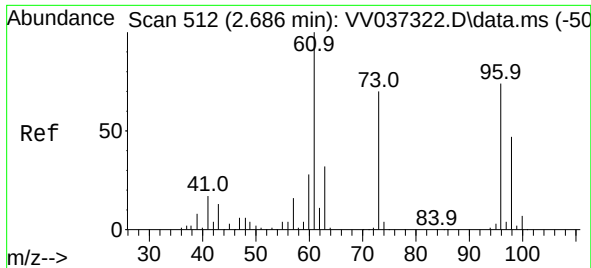
Tgt Ion: 84 Resp: 4763
Ion Ratio Lower Upper
84 100
86 49.7 44.0 81.8
49 130.6 83.0 154.1



#17
Methyl tert-butyl Ether
Concen: 0.103 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.006 min
Lab File: VV037336.D
Acq: 18 Sep 2024 16:09

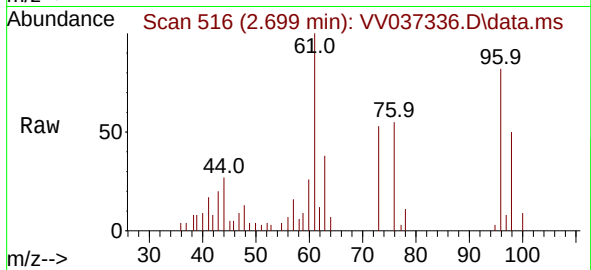
Tgt Ion: 73 Resp: 4561
Ion Ratio Lower Upper
73 100
43 0.0 14.5 21.7#
57 26.7 17.7 26.5#



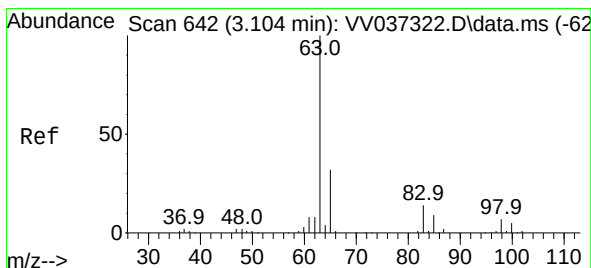
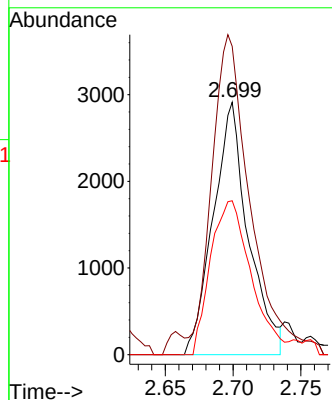
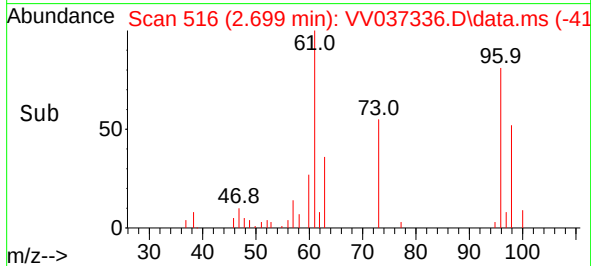


#18
trans-1,2-Dichloroethene
Concen: 0.266 ug/L
RT: 2.699 min Scan# 512
Delta R.T. 0.013 min
Lab File: VV037336.D
Acq: 18 Sep 2024 16:09

Instrument :
MSVOA_V
ClientSampleId :

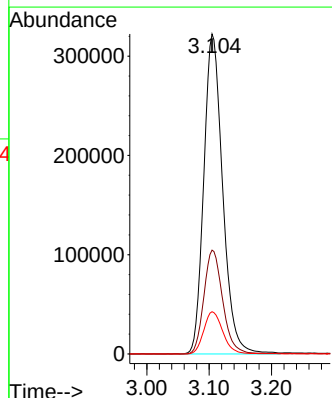
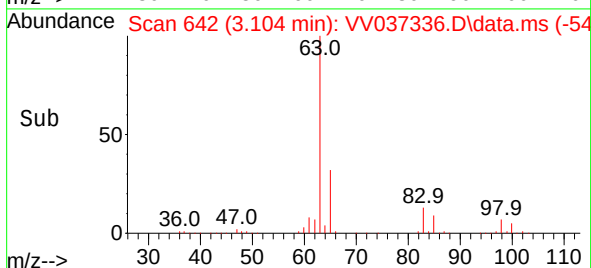
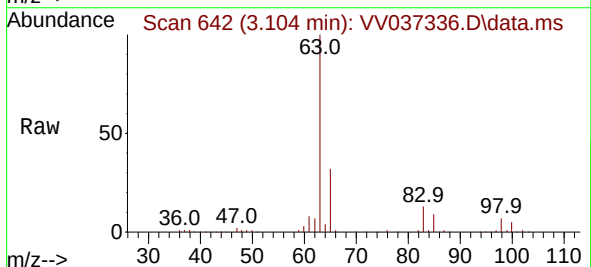


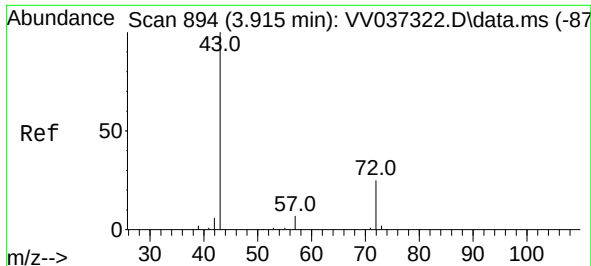
Tgt Ion: 96 Resp: 5229
Ion Ratio Lower Upper
96 100
61 122.1 92.8 172.4
98 61.0 43.0 79.8



#19
1,1-Dichloroethane
Concen: 18.115 ug/L
RT: 3.104 min Scan# 642
Delta R.T. 0.000 min
Lab File: VV037336.D
Acq: 18 Sep 2024 16:09

Tgt Ion: 63 Resp: 679052
Ion Ratio Lower Upper
63 100
65 32.5 22.5 41.7
83 13.2 8.9 16.5

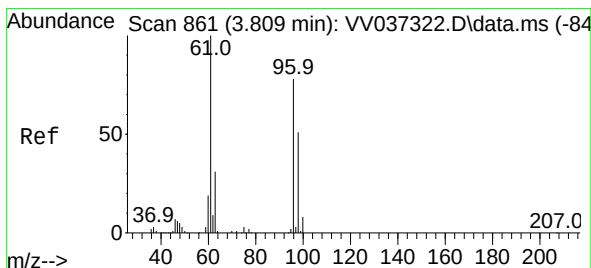
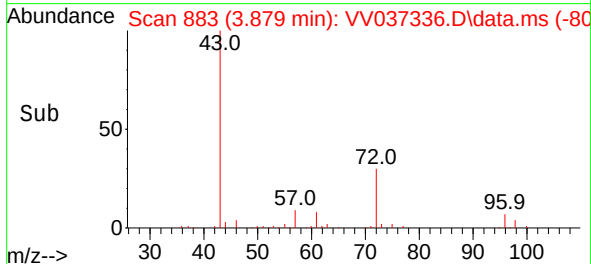
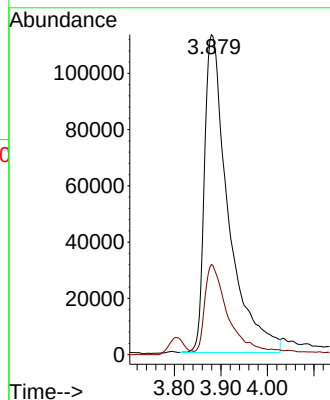
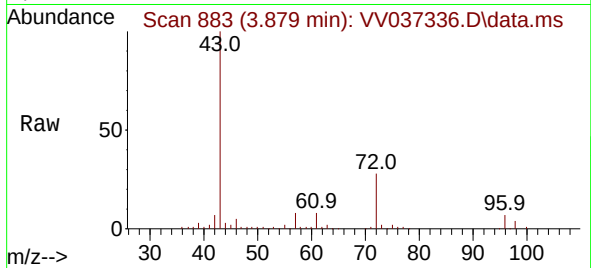




#21
2-Butanone
Concen: 81.417 ug/L
RT: 3.879 min Scan# 80
Delta R.T. -0.035 min
Lab File: VV037336.D
Acq: 18 Sep 2024 16:09

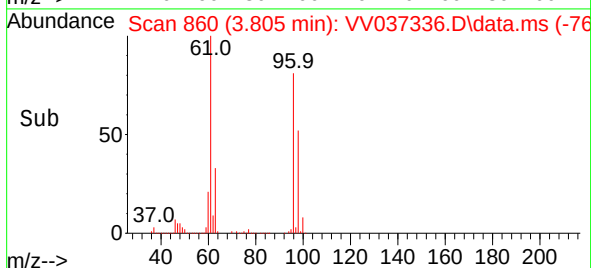
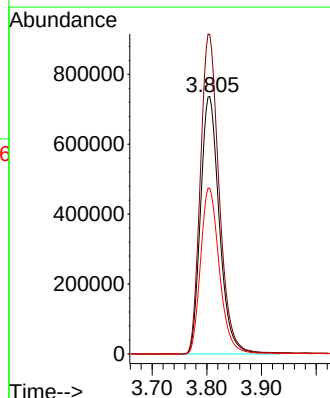
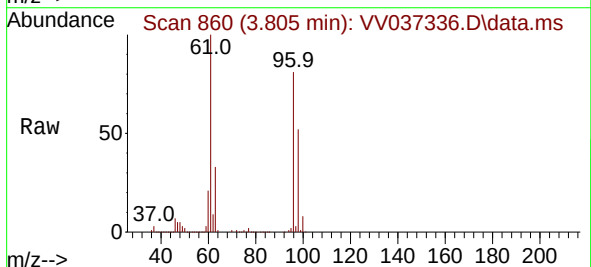
Instrument :
MSVOA_V
ClientSampleId :

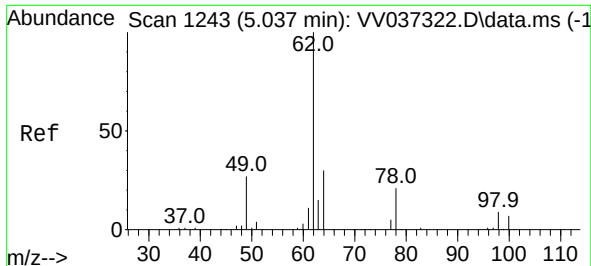
Tgt Ion: 43 Resp: 402222
Ion Ratio Lower Upper
43 100
72 25.5 12.2 36.6



#22
cis-1,2-Dichloroethene
Concen: 82.624 ug/L
RT: 3.805 min Scan# 860
Delta R.T. -0.003 min
Lab File: VV037336.D
Acq: 18 Sep 2024 16:09

Tgt Ion: 96 Resp: 1753498
Ion Ratio Lower Upper
96 100
61 124.0 87.6 162.6
98 64.3 44.9 83.5

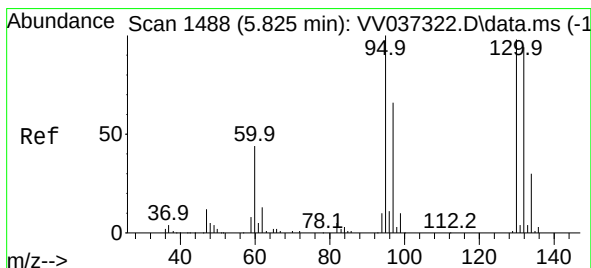
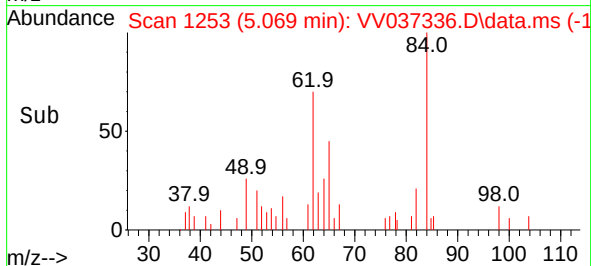
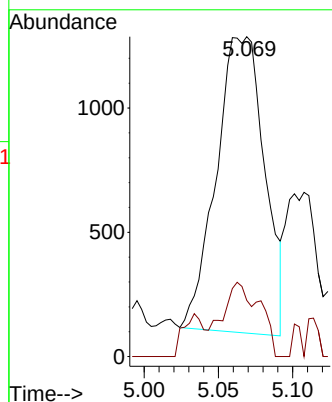
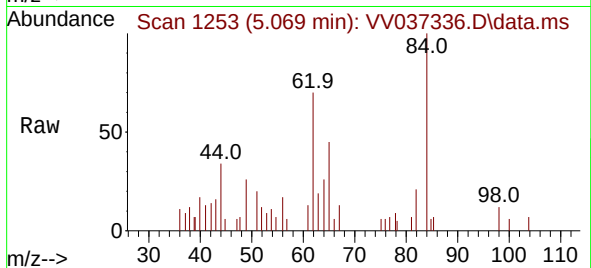




#27
1,2-Dichloroethane
Concen: 0.126 ug/L
RT: 5.069 min Scan# 1253
Delta R.T. 0.032 min
Lab File: VV037336.D
Acq: 18 Sep 2024 16:09

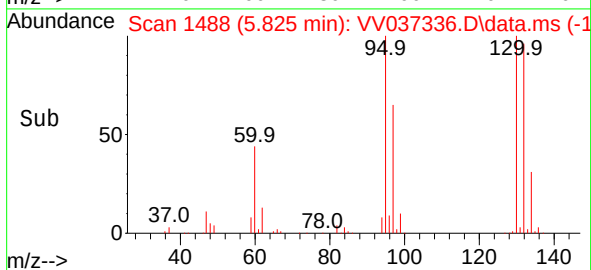
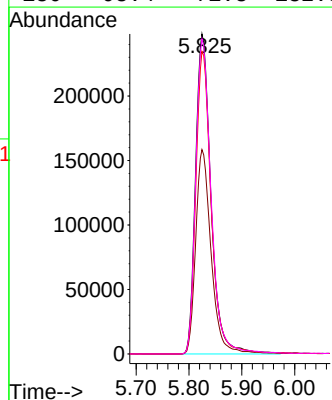
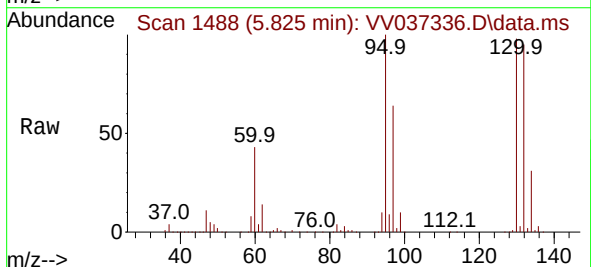
Instrument :
MSVOA_V
ClientSampleId :

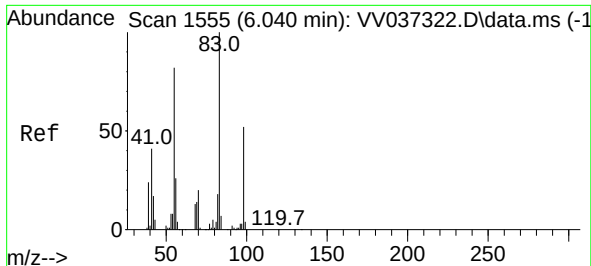
Tgt Ion: 62 Resp: 2698
Ion Ratio Lower Upper
62 100
98 17.6 8.2 12.4#



#34
Trichloroethene
Concen: 22.450 ug/L
RT: 5.825 min Scan# 1488
Delta R.T. 0.000 min
Lab File: VV037336.D
Acq: 18 Sep 2024 16:09

Tgt Ion: 95 Resp: 503913
Ion Ratio Lower Upper
95 100
97 63.8 46.5 86.5
132 94.6 65.5 121.7
130 98.4 71.3 132.3





#35

Methylcyclohexane

Concen: 0.785 ug/L

RT: 5.985 min Scan# 1538

Delta R.T. -0.055 min

Lab File: VV037336.D

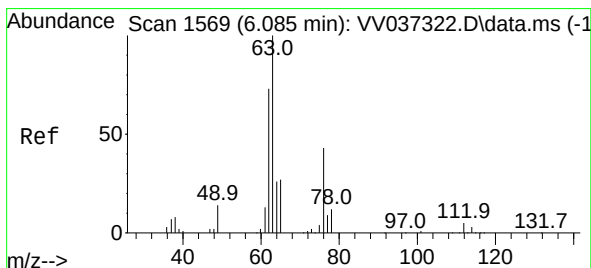
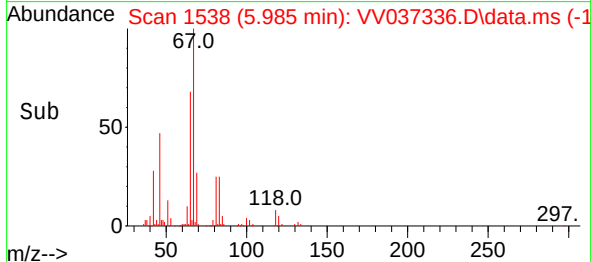
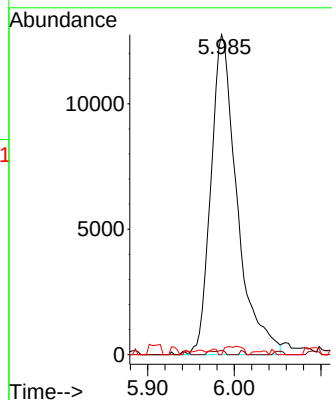
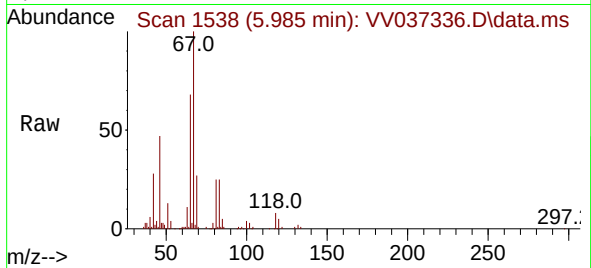
Acq: 18 Sep 2024 16:09

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	83	Resp:	26776
Ion	Ratio	Lower	Upper
83	100		
55	0.3	60.3	90.5#
98	0.0	38.2	57.4#



#37

1,2-Dichloropropane

Concen: 0.563 ug/L

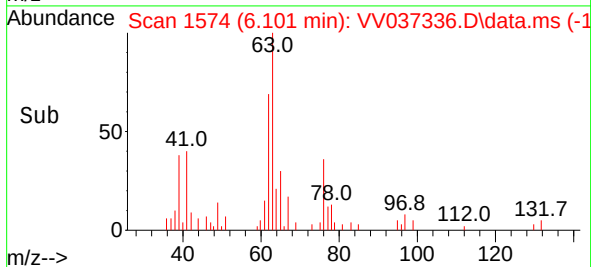
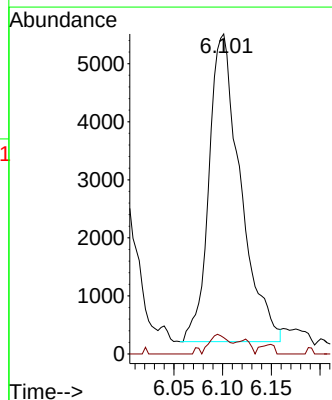
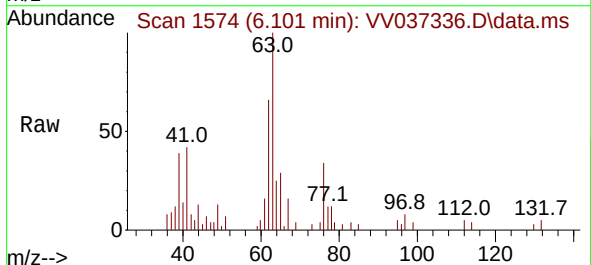
RT: 6.101 min Scan# 1574

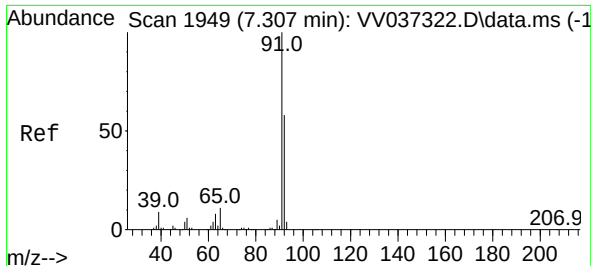
Delta R.T. 0.016 min

Lab File: VV037336.D

Acq: 18 Sep 2024 16:09

Tgt Ion:	63	Resp:	11933
Ion	Ratio	Lower	Upper
63	100		
112	3.9	3.7	5.5





#42

Toluene

Concen: 0.131 ug/L

RT: 7.326 min Scan# 1

Delta R.T. 0.019 min

Lab File: VV037336.D

Acq: 18 Sep 2024 16:09

Instrument :

MSVOA_V

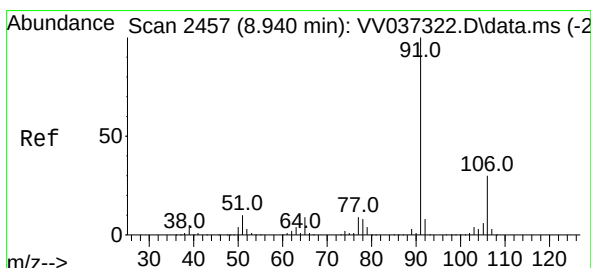
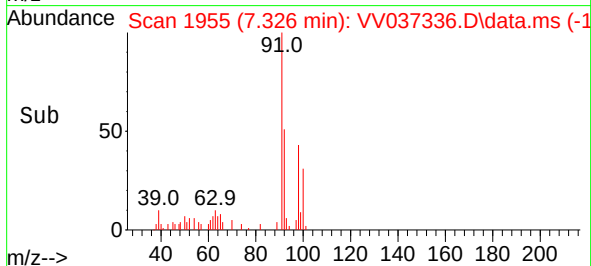
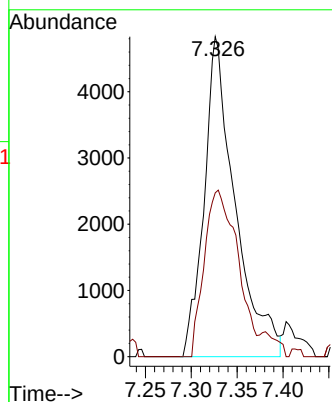
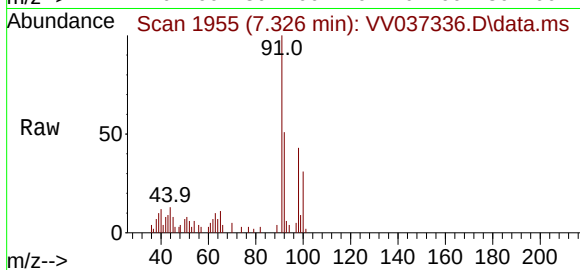
ClientSampleId :

Tgt Ion: 91 Resp: 11337

Ion Ratio Lower Upper

91 100

92 51.2 41.4 77.0



#52

Ethylbenzene

Concen: 0.092 ug/L

RT: 9.082 min Scan# 2501

Delta R.T. 0.142 min

Lab File: VV037336.D

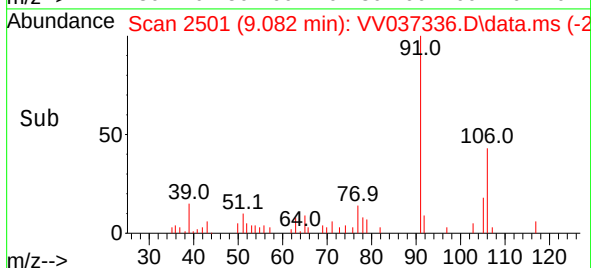
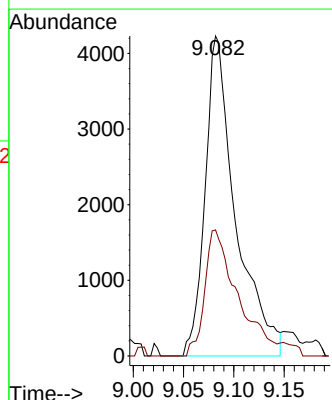
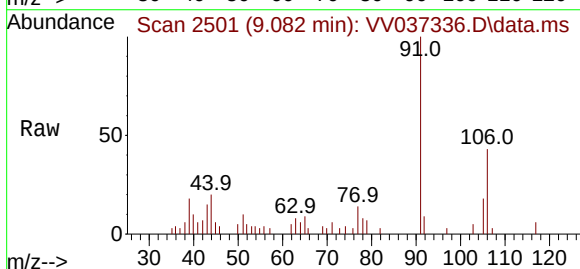
Acq: 18 Sep 2024 16:09

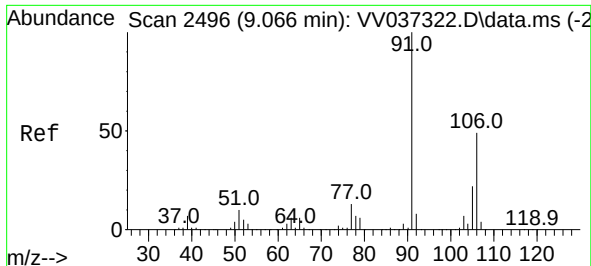
Tgt Ion: 91 Resp: 8933

Ion Ratio Lower Upper

91 100

106 39.4 21.7 40.3





#53

m,p-Xylene

Concen: 0.107 ug/L

RT: 9.082 min Scan# 2496

Delta R.T. 0.016 min

Lab File: VV037336.D

Acq: 18 Sep 2024 16:09

Instrument :

MSVOA_V

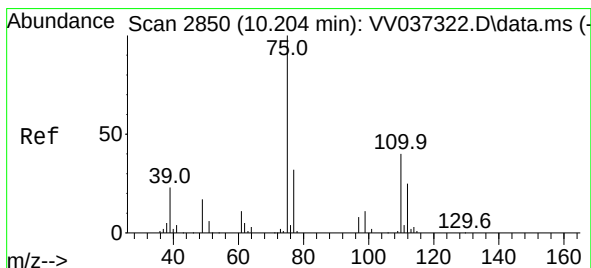
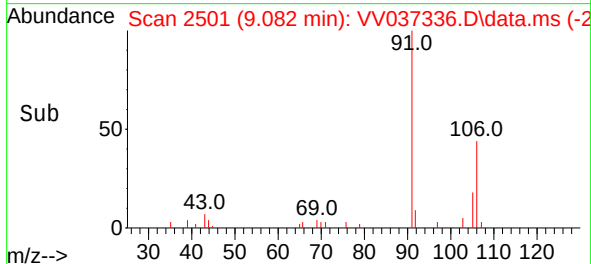
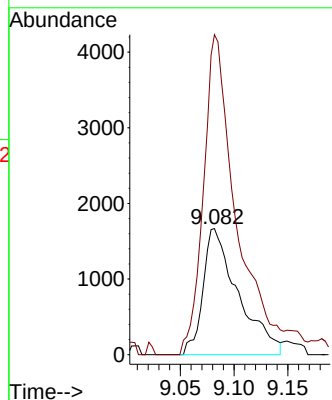
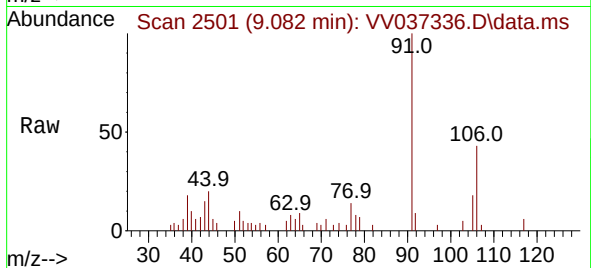
ClientSampleId :

Tgt Ion:106 Resp: 3802

Ion Ratio Lower Upper

106 100

91 253.7 143.3 266.1



#61

1,2,3-Trichloropropane

Concen: 1.391 ug/L

RT: 11.178 min Scan# 3153

Delta R.T. 0.974 min

Lab File: VV037336.D

Acq: 18 Sep 2024 16:09

Tgt Ion: 75 Resp: 17026

Ion Ratio Lower Upper

75 100

77 35.0 25.6 38.4

110 3.0 31.0 46.4#

